

## Water Quality Goals

### Course Agenda

- 1) Basis and form of water quality standards
  - a) Definition of water quality standards
  - b) Water quality standards in California
    - i) Beneficial uses
    - ii) Water quality objectives – numeric and narrative forms
  - c) State Water Board Resolution No. 88-63, “Sources of Drinking Water” Policy
  - d) Federal promulgated standards
    - i) National Toxics Rule
    - ii) California Toxics Rule
    - iii) State Implementation Plan
  - e) Numeric Translators for Narratives
    - i) Clean Water Act requirements
    - ii) California examples of numeric translator procedures
- 2) Selecting assessment thresholds to implement water quality standards
  - a) Use of numeric thresholds to implement narrative water quality objectives
  - b) Sources of numerical thresholds to implement narrative objectives
    - i) Chemical constituents objective
    - ii) Toxicity objective – human health and aquatic life
    - iii) Tastes and odors objective

### **BREAK**

- 3) Terminology review
- 4) Water Quality Goals
  - a) *A Compilation of Water Quality Goals* staff report
  - b) Water Quality Goals online
    - i) Demonstration of intranet database
    - ii) Related information and tools
- 5) Assessment threshold selection algorithms
  - a) Guiding principles
  - b) Overview of algorithms for
    - i) Groundwater
    - ii) Inland surface waters
    - iii) Enclosed bays and estuaries
    - iv) Ocean waters
  - c) Assessment threshold table
- 6) State Water Board Resolution No. 68-16, “Antidegradation” Policy
  - a) Appropriate range of water quality to protect existing and future beneficial uses